Figure 1

Trusted billing with a central billing server
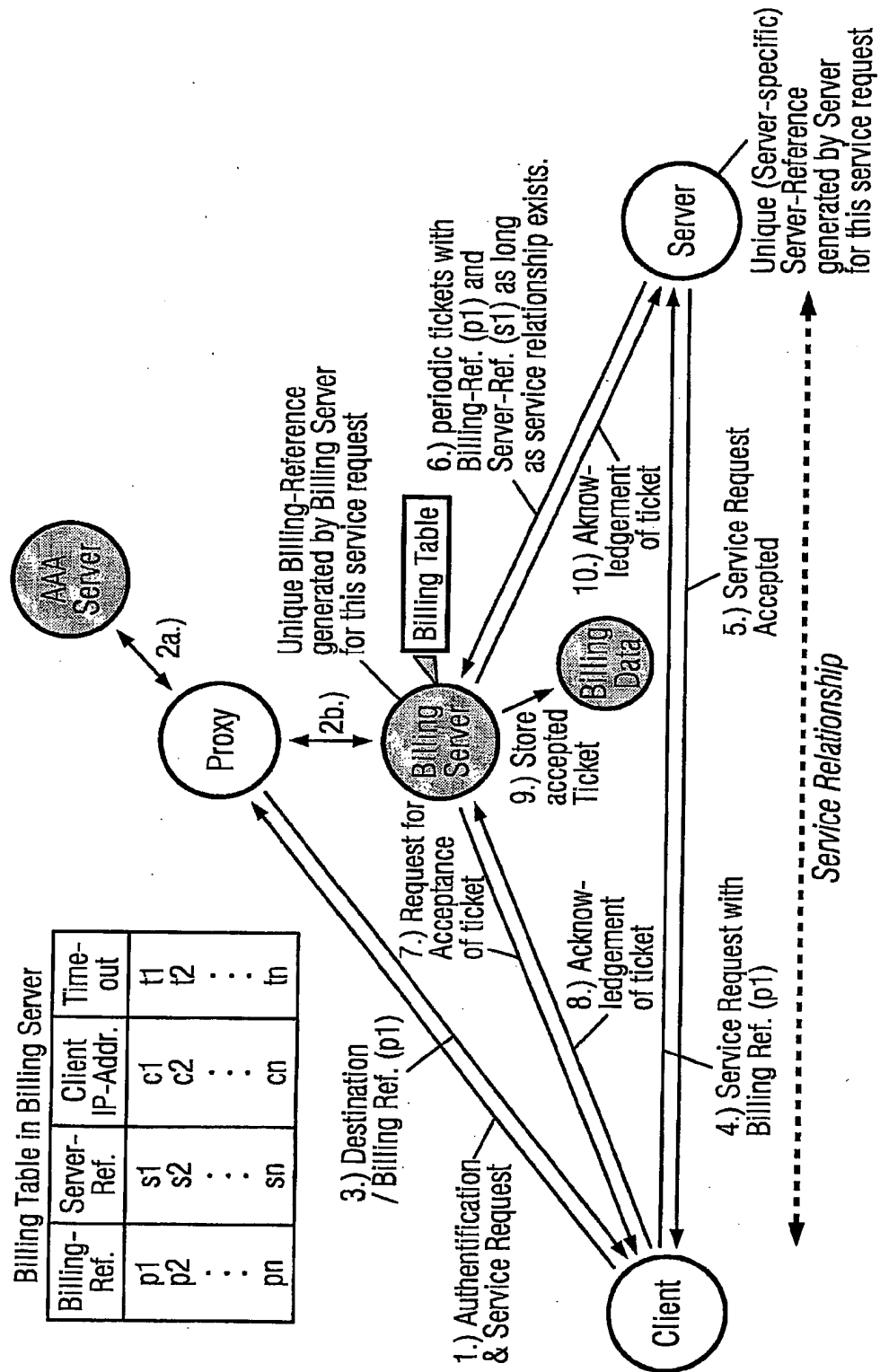

Billing Table in Billing Server

Billing-Ref.	Server-Ref.	Client IP-Addr.	Time-out
p1	s1	c1	t1
p2	s2	c2	t2
...	...	...	...
pn	sn	cn	tn

1.) Authentification & Service Request

2a.)

2b.)

3.) Destination / Billing Ref. (p1)

Unique Billing-Reference generated by Billing Server for this service request

7.) Request for Acceptance of ticket

8.) Acknow-ledgement of ticket

9.) Store accepted Ticket

Billing Table

6.) periodic tickets with Billing-Ref. (p1) and Server-Ref. (s1) as long as service relationship exists.

10.) Aknow-ledgement of ticket

5.) Service Request Accepted

4.) Service Request with Billing Ref. (p1)

Service Relationship

Unique (Server-specific) Server-Reference generated by Server for this service request

AAA Server

Proxy

Billing Server

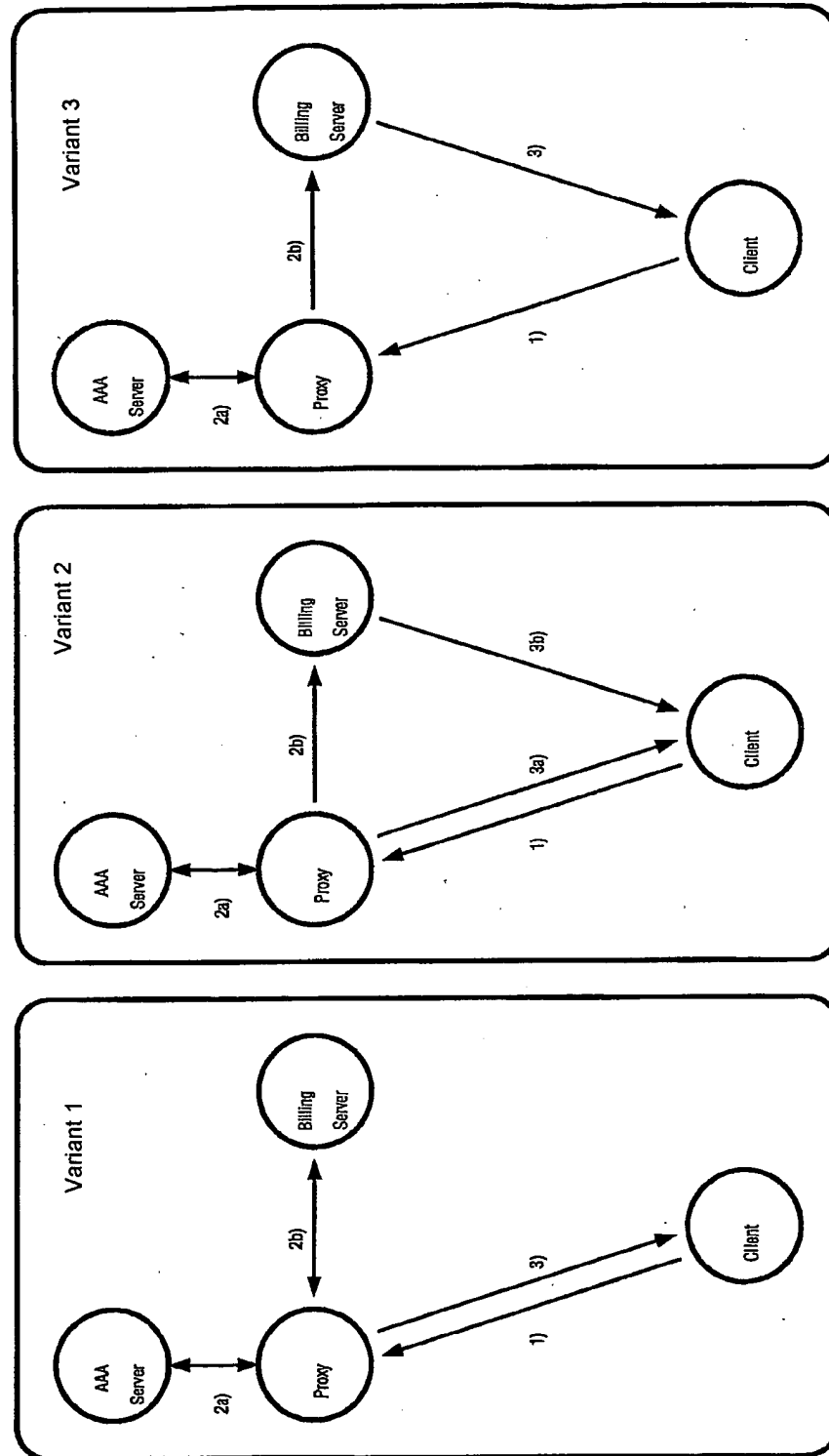Billing Data

Server

Client

Figure 2

Comparison of the design variants

Figure 3

Communication links with a plurality of proxies